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ARTICLE VI.

*Description of a new genus of the family Melaniana of Lamarck.
By Isaac Lea. Read January 7th, 1831.*

FAMILY MELANIANA.

Genus Io.

Testâ fusiformi ; basi canaliculatâ ; spirâ elevatâ ; columellâ concavâ lævique.

Shell fusiform ; base canaliculate ; spire elevated ; columella smooth and concave.

Io FUSIFORMIS. Plate XV. fig. 37, a, b.

My Cabinet.

Cabinet of Professor Vanuxem.

Cabinet of Mr Say.

Cabinet of the Academy of Natural Sciences of Philadelphia.

Fusus fluviâlis, Say, Journal of the Academy of Natural Sciences of Philadelphia, Vol. 5, p. 129.

Diam. .9,

Length 2.2 inches.

Remarks.—This very remarkable, interesting and rare shell was presented to me many years since by Professor Vanuxem, by whom only it has been found. Specimens were also presented by him to Mr Say

and to the Academy of Natural Sciences of Philadelphia, in the Journal of which that naturalist has described it under the name of *Fusus fluvialis*. Satisfied that no genus should contain pelagian and fluvial shells in common, I have separated this from the family CANALIFERA, and placed it in that of the MELANIANA to which it naturally belongs. We are indebted to the research of Professor Vanuxem for this and many other fine shells from the north fork of the Holston in Virginia on the farm of General Preston, where it was associated with several species of this and other families. Professor Vanuxem describes the spot which it inhabits as being very circumscribed and being immediately at the confluence of a small stream and the North Fork of the Holston, the former of which is slightly impregnated with salt.